

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L2	23	(pixel same (wiring near layer) same (photodiode photo\$1diode)) and @ad<"20031218"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/11/12 18:13
L3	23	L2	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/11/12 18:13
L4	5	("20050035376" "4694185" "5371397" "5479049" "6211509").PN. OR ("7420231").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/11/12 18:20
S1	6	("20030168679" "20060102827" "4994664").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/10 16:19
S2	1	"10576273"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/10 16:22
S3	1	"10576273"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/08 03:41
S4	2	("20050110104").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/03/23 14:55
S5	0	Jp-2000039503 5-251673	JPO; DERWENT	OR	OFF	2009/03/23 18:00

S7	2	Jp-2000039503-\$	JPO; DERWENT	OR	OFF	2009/03/23 18:00
S8	4	Jp-2000039503-\$ jp-05251673-\$	JPO; DERWENT	OR	OFF	2009/03/23 18:01
S9	12	(Toshikiyo near2 Kimiaki).in. and matsushita.asn.	JPO; DERWENT	OR	OFF	2009/03/23 19:23
S10	44	("3746454" "4410804" "4644148" "4649351" "4708436" "4878735").PN. OR ("4994664").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/29 14:56
S11	3	("20050161589" "4994664" "6100525").PN. OR ("7329871").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/29 14:58
S12	0	("jp-2001-108812\$").PN.	JPO; DERWENT	OR	OFF	2009/03/29 22:12
S13	0	("jp-2001-108812").PN.	JPO; DERWENT	OR	OFF	2009/03/29 22:13
S14	0	("jp2001108812").PN.	JPO; DERWENT	OR	OFF	2009/03/29 22:13
S15	3	("2001108812").PN.	JPO; DERWENT	OR	OFF	2009/03/29 22:13
S16	0	("("photosensor"Photo\$1sensor"lightdetector""lightsensor""imagesensor""chargecoupleDevice"CCD (solidnearstatenearimag\$3)).PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/03/29 23:40
S17	98824	("photosensor" Photo\$1sensor "light detector" "light sensor" "light\$1sensor" "image sensor" "charge couple Device" CCD (solid near state near imag\$3)) and substrate	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/03/29 23:41
S18	128	((light near transmit\$4 near (film layer)) with ((("TiO.sub.2" or "ZrO.sub.2" or "Nb.sub.2O.sub.5" or "Ta.sub.2O.sub.5" or "Si.sub.3N.sub.4" or "Si.sub.2N.sub.3" or ("titanium oxide" "zirconium oxide" "tantalum oxide" "silicon nitride"))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/29 23:47
S19	27	S17 and S18	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/29 23:48

S20	6	S19 and @ad<"20031218"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/29 23:49
S21	234	((light near transmit\$4 near (film layer)) same ((("TiO.sub.2" or "ZrO.sub.2" or "Nb.sub.2O.sub.5" or "Ta.sub.2O.sub.5" or "Si.sub.3N.sub.4" or "Si.sub.2N.sub.3") or ("titanium oxide" "zirconium oxide" "tantalum oxide" "silicon nitride"))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/29 23:52
S22	55	S17 and S21	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/29 23:53
S23	15	S22 and @ad<"20031218"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/29 23:53
S24	407112	("photosensor" Photo\$1sensor "light detector" "light sensor" "light\$1sensor" "image sensor" "charge couple Device" CCD (solid near state near imag\$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/03/29 23:55
S25	13265	((light near4 (film layer)) same ((("TiO.sub.2" or "ZrO.sub.2" or "Nb.sub.2O.sub.5" or "Ta.sub.2O.sub.5" or "Si.sub.3N.sub.4" or "Si.sub.2N.sub.3") or ("titanium oxide" "zirconium oxide" "tantalum oxide" "silicon nitride"))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/29 23:56
S26	1764	S24 and S25	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/29 23:57
S27	36	S26 and (pixel near2 array) and (unit near2 pixel)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/29 23:58

S28	11	S27 and @ad<"20031218"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/29 23:59
S29	4	S28 and ((red green blue) with pixel)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/30 00:01
S30	1100	S17 and (pixel near2 array) and (unit near2 pixel)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/30 00:12
S31	726	S30 and (photodiode Photo\$1diode Photodetector photo\$1detector)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/30 00:13
S32	177	S31 and ((red green blue) with pixel)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/30 00:13
S33	41	S32 and @ad<"20031218"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/30 00:13
S34	0	"1010434109"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/30 00:50
S35	0	"10434109"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/30 00:51

S36	2	"6734031".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/30 00:51
S37	2	("20030215967").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/03/30 00:52
S38	0	(pixel same (wiring near layer) same (photodiode photo\$1diode) same aperture) and @ad<"20031218"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/03/30 03:32
S39	23	(pixel same (wiring near layer) same (photodiode photo\$1diode)) and @ad<"20031218"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/03/30 03:32
S40	98824	("photosensor" Photo\$1sensor "light detector" "light sensor" "light\$1sensor" "image sensor" "charge couple Device" CCD (solid near state near imag\$3)) and substrate	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/03/30 04:11
S41	4	S40 and ((light near transmitt\$3) with (BPSG)) and @ad<"20031218"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/03/30 04:11
S42	1180	257/291.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/03/30 05:08
S43	822	S42 and S40	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/03/30 05:08

S44	2115	257/432.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/03/30 05:08
S45	721	S44 and S40	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/03/30 05:09
S46	12	("20030168679" "20030215967" "20040000681" "20050061950" "20060102827" "4994664").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/04 18:03
S47	44	("3746454" "4410804" "4644148" "4649351" "4708436" "4878735").PN. OR ("4994664").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/11/04 18:08
S48	3	("2001108812").PN.	JPO; DERWENT	OR	OFF	2009/11/04 18:19
S49	12	((KIMI AKI) near2 (TOSHIKI YO)).INV.	US-PGPUB; USPAT	OR	OFF	2009/11/04 18:21
S50	0	("20020117671" "20030197210" "20030231395" "20040248337" "20050023434" "20050061950" "20050122593" "4994664" "5561558" "5696371" "5978139" "6927915" "6947215").PN.).PN.	JPO; DERWENT	OR	OFF	2009/11/04 18:25
S51	25	("20020117671" "20030197210" "20030231395" "20040248337" "20050023434" "20050061950" "20050122593" "4994664" "5561558" "5696371" "5978139" "6927915" "6947215").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/11/04 18:25
S52	4	("20060284052" "20060285228" "20070146531" "20070164329").PN.	US-PGPUB; USPAT	OR	OFF	2009/11/04 18:32
S53	1	("20060102827").PN.	US-PGPUB; USPAT	OR	OFF	2009/11/04 18:34
S54	15	("20030044729" "20030168679" "20040042081" "20040125048" "20050057815" "20050152036" "20050195485" "20060102827" "4994664" "5227915" "5561558" "5742433" "5815327" "6524772" "6927915").PN.	US-PGPUB; USPAT	OR	OFF	2009/11/04 18:37
S55	0	("6524772").URPN.	USPAT	OR	OFF	2009/11/04 18:43
S56	0	("6524772").URPN.	USPAT	OR	OFF	2009/11/04 18:43
S57	47	("4246338" "4637697" "4679901" "4708436" "4846552" "4895790" "4936665").PN. OR ("5227915").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/11/04 19:08

S58	4	("20030164922" "20060028728" "20060125945" "20060125948").PN.	US-PGPUB; USPAT	OR	OFF	2009/11/04 19:13
S59	4	("20030164922" "20060028728" "20060125945" "20060125948").PN.	US-PGPUB; USPAT	OR	OFF	2009/11/04 19:25
S60	2	"11423776"	US-PGPUB; USPAT; USOCR	OR	OFF	2009/11/04 19:34
S61	19	("20030044729" "20030044729" "20030168679" "20040042081" "20040125048" "20040125048" "20050057815" "20050195485" "20060102827" "20060278948" "20060285228" "20070035721" "20070146531" "20070164329" "4994664" "5227915" "5561558" "5742433" "5742433" "5815327" "6524772" "6927915").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/11/04 19:37
S62	4	"2000039503"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/11/04 20:36
S63	2	"11423776"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/11/04 20:46
S64	17	(phase with grating with image with sensor).ab. and @ad<"20031218"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/04 22:59
S65	2	11/423776	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/11/05 13:18
S66	710	257/432.cor.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/11/05 13:20
S67	2	((("TiO.sub.2" or "ZrO.sub.2" or "Nb.sub.2O.sub.5" or "Ta.sub.2O.sub.5" or "Si.sub.3N.sub.4" or "Si.sub.2N.sub.3") or ("titanium oxide" "zirconium oxide" "tantalum oxide" "silicon nitride"))) same (layer film) same refractive	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/05 13:22

S68	11424	((("TiO.sub.2" or "ZrO.sub.2" or "Nb.sub.2O.sub.5" or "Ta.sub.2O.sub.5" or "Si.sub.3N.sub.4" or "Si.sub.2N.sub.3") or ("titanium oxide" "zirconium oxide" "tantalum oxide" "silicon nitride"))) same (layer film) same refractive	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/05 13:22
S69	8	S66 and S68 and @ad<"20031218"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/05 13:23
S70	41094	((("TiO.sub.2" or "ZrO.sub.2" or "Nb.sub.2O.sub.5" or "Ta.sub.2O.sub.5" or "Si.sub.3N.sub.4" or "Si.sub.2N.sub.3") or ("titanium oxide" "zirconium oxide" "tantalum oxide" "silicon nitride"))) and refractive	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/05 13:25
S71	24	S66 and S70 and @ad<"20031218"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/05 13:25
S72	0	("6524772").URPN.	USPAT	OR	OFF	2009/11/05 13:32
S73	7	("4643752" "4645523" "5073007" "5151826" "5161059" "5486950").PN. OR ("5815327").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/11/05 13:33
S74	13	("20050122417" "5633527" "6147390" "6188094" "6211916" "6583438" "6605850" "6656761" "6665014" "7075164" "7136217" "7245324" "7265432").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/11/05 13:36
S75	3	S66 and (grating near5 lens) and @ad<"20031218"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/05 13:39
S76	5	S66 and (grating same lens) and @ad<"20031218"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/05 13:40
S77	13	S66 and (grating) and @ad<"20031218"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/05 13:41

S78	16	430/231.cor. and @ad<"20031218"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/05 14:08
S79	395	430/321.cor. and @ad<"20031218"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/05 14:09
S80	341	((wavelength and incident and (ray light) and ((("TiO.sub.2" or "ZrO.sub.2" or "Nb.sub.2O.sub.5" or "Ta.sub.2O.sub.5" or "Si.sub.3N.sub.4" or "Si.sub.2N.sub.3") or ("titanium oxide" "zirconium oxide" "tantalum oxide" "silicon nitride")))).clm. and @ad<"20031218"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/06 11:23
S81	20	((wavelength and incident and (ray light) and shorter and ((("TiO.sub.2" or "ZrO.sub.2" or "Nb.sub.2O.sub.5" or "Ta.sub.2O.sub.5" or "Si.sub.3N.sub.4" or "Si.sub.2N.sub.3") or ("titanium oxide" "zirconium oxide" "tantalum oxide" "silicon nitride")))).clm. and @ad<"20031218"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/06 11:34
S82	107	((wavelength with incident with (ray light) with shorter) and ((("TiO.sub.2" or "ZrO.sub.2" or "Nb.sub.2O.sub.5" or "Ta.sub.2O.sub.5" or "Si.sub.3N.sub.4" or "Si.sub.2N.sub.3") or ("titanium oxide" "zirconium oxide" "tantalum oxide" "silicon nitride")))).clm. and @ad<"20031218"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/06 11:41
S83	2	("20030044729").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/11/06 14:53
S84	28	("20030044729" "20030168679" "20040042081" "20040125048" "20050057815" "20050152036" "20050195485" "20060102827" "4994664" "5227915" "5561558" "5742433" "5815327" "6524772" "6927915").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/11/06 18:46
S85	47	("4246338" "4637697" "4679901" "4708436" "4846552" "4895790" "4936665").PN. OR ("5227915").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/11/06 18:49

S86	2	"7297919".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/11/10 14:07
S87	316	((grating near4 lens) and (image near2 sensor)) and @ad<"20031218"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/10 14:42
S88	2	"5742433".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/11/10 23:00
S89	57	("4400057" "4798446" "4936665" "5073007" "5218471" "5227915" "5283690" "5315676" "5377044").PN. OR ("5742433").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/11/10 23:06
S90	2	"6821810".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/11/10 23:13
S91	106344	("photosensor" Photo\$1sensor "light detector" "light sensor" "light\$1sensor" "image sensor" "charge couple Device" CCD (solid near state near imag\$3)) and substrate	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/11/10 23:25
S92	34	S91 and (microlens with (offset off\$1set off\$1axis offaxis)) and @ad<"20031218"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/10 23:25
S93	11	("20010026322" "20030071271" "5610390" "5682203" "5734155" "5986704" "6008511" "6344666" "6518640" "6642965").PN. OR ("7427742").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/11/10 23:38
S94	2	("20040042081").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/11/11 01:01

S95	0	("200501954851").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/11/11 01:04
S96	2	("20050195485").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/11/11 01:05
S97	4	S91 and ((microlens micro-lens micro\$1lens) with (sub\$1wavelength subwavelength)) and @ad<"20031218"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/11 01:23
S98	11	S91 and ((microlens micro-lens micro\$1lens lens) with (sub\$1wavelength subwavelength)) and @ad<"20031218"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/11 01:24
S99	54	(dennis near prather).in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/11 01:29
S100	2	Jp-2000039503-\$ 5-251673	JPO; DERWENT	OR	OFF	2009/11/12 10:51
S101	3	("2001108812").PN.	JPO; DERWENT	OR	OFF	2009/11/12 10:53
S102	0	("(nipponneartegr).asn.and((TAMECHIKAnearEMI).in.or(KOMATSUnearKAZUHIKO).in.or(FUKUDAnearHIROSHI).in.)).PN.	JPO; DERWENT	OR	OFF	2009/11/12 10:57
S103	90	(nippon near teleg).asn. and((TAMECHIKAnear EMI).in. or (KOMATSU near KAZUHIKO).in. or(FUKUDA near HIROSHI).in.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/11/12 10:58
S104	0	(nippon near teleg).asn. and((TAMECHIKAnear EMI).in. or (KOMATSU near KAZUHIKO).in. or(FUKUDA near HIROSHI).in.)	US-PGPUB; USPAT	OR	OFF	2009/11/12 11:01
S105	3	(nippon).asn. and((TAMECHIKAnear EMI).in. or (KOMATSU near KAZUHIKO).in. or(FUKUDA near HIROSHI).in.)	US-PGPUB; USPAT	OR	OFF	2009/11/12 11:02

S106	3	(nippon near telegraph).asn. and((TAMECHI KA near EMI).in. or (KOMATSU near KAZUHI KO).in. or (FUKUDA near HIROSHI).in.)	US-PGPUB; USPAT	OR	OFF	2009/11/12 11:49
S107	2	(nippon near telegraph).asn. and((TAMECHI KA near EMI).in. or (KOMATSU near KAZUHI KO).in. or (FUKUDA near HIROSHI).in.)	JPO; DERWENT	OR	OFF	2009/11/12 11:49
S108	3	("2001108812").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/11/12 12:46

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